

(12) UK Patent Application (19) GB (11) 2 098 715 A

(21) Application No 8113132

(22) Date of filing 29 Apr 1981

(43) Application published
24 Nov 1982

(51) INT CL³
F21V 1/10

(52) Domestic classification
F4R 356 414 41Y 55Y 560
CG

(56) Documents cited

GB 1440305

GB 0965061

GB 0838618

GB 0728001

GB 0551680

GB 0325218

(58) Field of search
F4R

(71) Applicants
Steve Domjan,
17 Taunton Avenue,
Luton,
Beds LU2 0LN.

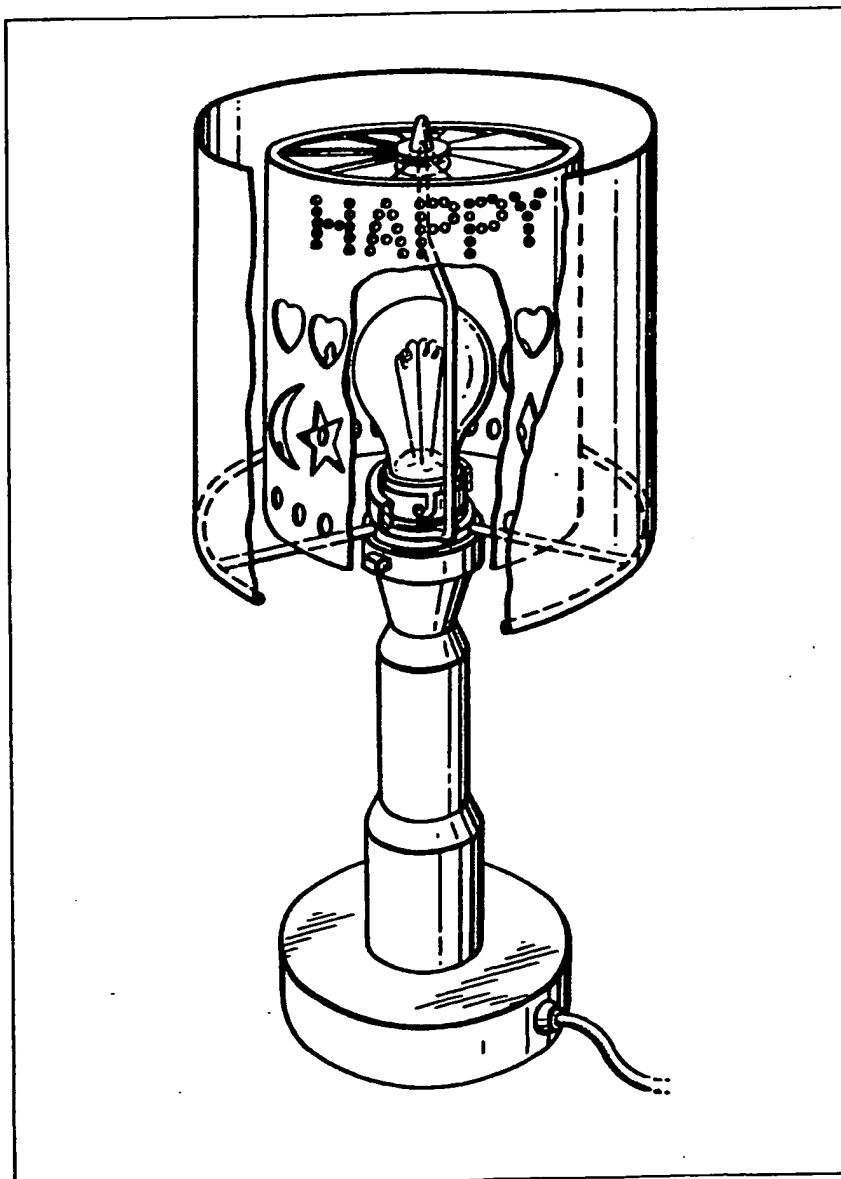
(72) Inventors
Steve Domjan

(54) Rotary greeting drum for use with
a lamp

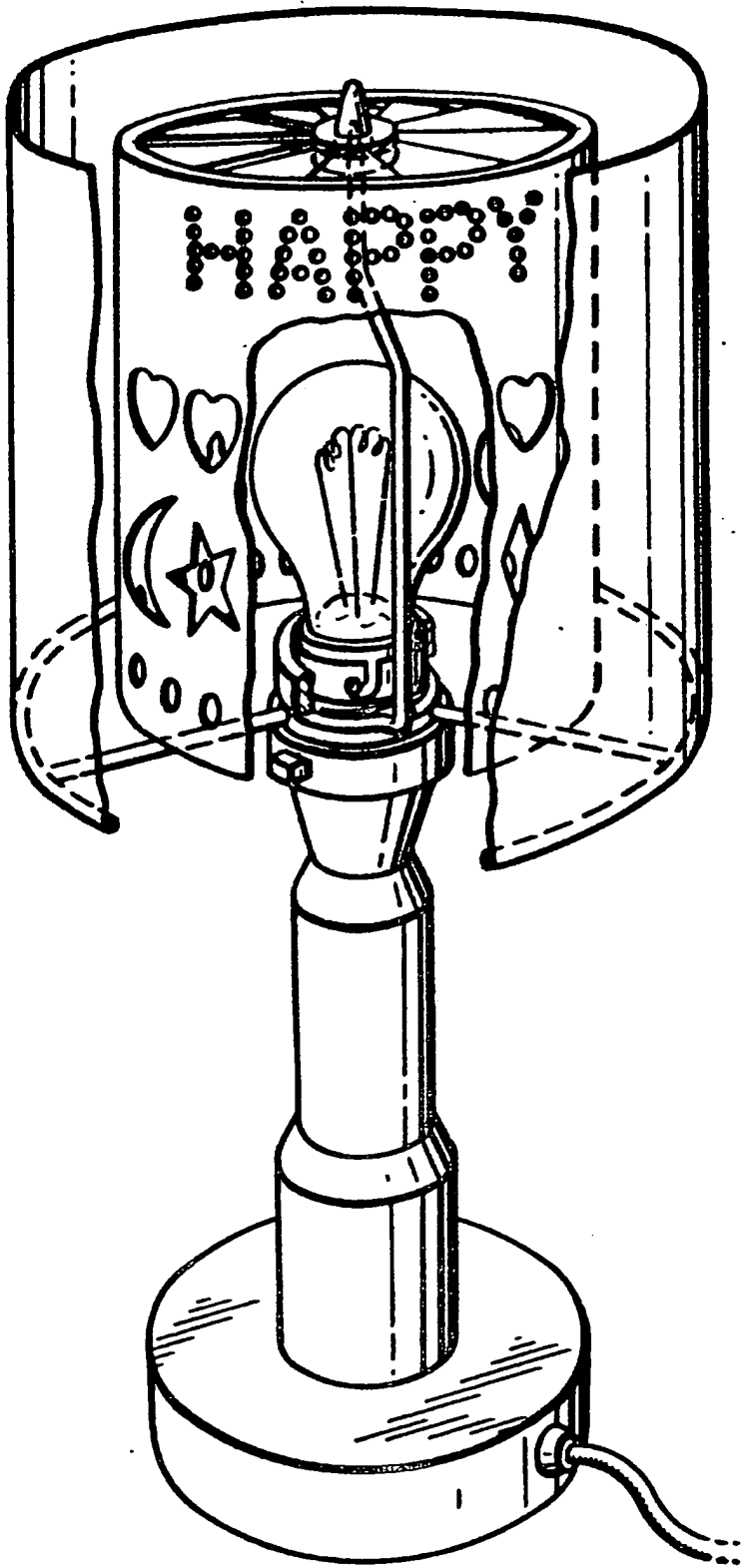
(57) A rotary drum arrangement is provided for use with a table lamp and carries a greeting, pattern, or the like. The drum rotates in use and is pivoted on a mounting point adapted for fixing

on the lamp so that the point is located immediately above the bulb position. The drum is made of heat resisting material and incorporates the greeting, pattern, or the like (preferably as cut-outs) in its cylindrical wall.

Preferably, the means for rotating the drum comprises radially extending vanes at the top end of the drum, the vanes being angled and set appropriately so that, in use, rising currents of hot air from the bulb cause right or left hand rotation of said drum.



GB 2 098 715 A



SPECIFICATION

Improvements relating to lamps

- 5 The invention relates to lamps, such as table lamps or electric lights.

According to the invention the lamp incorporates a rotary drum arrangement for providing a moving picture or greeting, in use.

- 10 The rotary drum material has to be heat resistant, because it is placed around an electric bulb. The rotary drum can be made from light metal, fibre glass or glass. In a preferred form it is made from aluminium sheet from which patterns and/or mes-
- 15 sages are cut out. When the patterns or messages have been cut from the aluminium, coloured film can be fixed over them. This sheet is then bent around and secured as a drum. The drum is supported around the table lamp so that in use the light shines through, highlighting the picture and/or greeting.
- 20 The top end of the drum is formed with radially extending vanes which can be "set" for either left or right hand rotation, according to the direction in which the drum is required to rotate. A pointed
- 25 cylindrical cap is fixed at the centre of the vanes via a suitable support ring, the open end facing downwards. A wire support is made, as seen in the diagram, the size of which is determined by the size of the drum.
- 30 Different types of see-through, fixed lampshades can be located to surround the rotary drum. Thus, the lamp shade can be corrugated, diamond cut or have other different patterns, each type serving to provide different reflections from the light shining through the rotary drum.

To assemble the lamp, reference is made to the attached diagram, from 1 - 6.

- 35 The lamp can be used for Christmas greetings, dances, birthdays, celebrations, shows or advertising in shop windows.

Instructions for use

Make sure the lamp is switched off before handling.

- 45 Always keep in a vertical position.
Keep away from draughts.
Keep the vanes clear for good ventilation.

To assemble

- 50 Place the lamp shade over the table lamp. Secure the wire support over the bulb socket with the screw ring. Fix the electric bulb into the socket, and place the rotary drum over it.

- The point of the wire support should be fitted into
- 55 the cylindrical cap, in the centre of the rotary drum.

The rotary drum can be made to rotate either mechanically i.e. via a small electrode motor, or manually i.e. using the heat from the light as convection currents.

- 60 The lamp can be hung from the ceiling or affixed to a wall.

- Instead of a table lamp as described above, the rotary drum/lamp shade arrangement may be used for a ceiling hung electric light. In this case, to
- 65 emphasize the light reflections the drum and lamp-

shade may have walls of curved cross-section e.g. bowl or spherical shaped.

CLAIMS (Filed 29 June 1981)

70

1. A rotary drum arrangement for a lamp of the kind having a bulb holder for a bulb characterised in that said arrangement comprises a drum support providing a mounting point and adapted for fixing so
- 75 that the point is located immediately above the bulb position, a cylindrical drum one (top) end of which is provided with a central cap for rotatably mounting on said mounting point, the drum being of heat resisting material and incorporating a greeting,
- 80 message, picture and (or other pattern in its cylindrical wall, and means for rotating the drum on said mounting point.

2. A rotary drum arrangement according to Claim 1, characterised in that said means for rotating
- 85 the drum on said mounting comprises radially extending vanes at said one (top) end of which support said cap, the vanes being angled and set appropriately so that, in use, rising currents of hot air from the bulb cause right or left hand rotation of said
- 90 drum.

3. A rotary drum arrangement according to Claim 1, or Claim 2, wherein the greetings, patterns, or the like are cut-out from the wall of the drum.

4. A rotary drum arrangement according to
- 95 Claim 3, wherein at least some of the cut-outs are covered with coloured film.

5. A table lamp having mounted thereon a rotary drum assembly according to any one of Claims 1 to 4.

- 100 6. A table lamp according to Claim 5, wherein the drum of the rotary drum arrangement is located to be surrounded by a fixed lampshade, said lampshade being of a "see through" material, e.g. translucent or transparent.

- 105 7. A table lamp according to Claim 6, wherein the fixed lampshade is corrugated or patterned so as to provide, in use, reflections from light passing through the greetings, patterns, or the like of the rotating drum.

- 110 8. A rotary drum arrangement constructed, arranged and adapted for use substantially as hereinbefore described with reference to, and as shown in, the accompanying drawing.

9. A table lamp incorporating a rotary drum
- 115 arrangement according to Claim 8.

New claims or amendments to claims filed on 10 November 1981

Superseded claims All Claims

- 120 New or amended claims:-

1. A rotary drum arrangement for a lamp of the kind having a bulb holder for a bulb, said arrangement comprising a drum support providing a mounting point and adapted for fixing so that the point is located immediately above the bulb position, a cylindrical drum one (top) end of which is provided with a central cap for rotatably mounting on said mounting point and means for rotating the drum on
- 125 said mounting point, characterised in that the drum
- 130

is of an opaque, heat resisting material and has a series of cut-outs in its cylindrical wall which, in use, present a moving greeting, message, picture and/or other pattern.

5 2. A rotary drum arrangement according to Claim 3, wherein at least some of the cut-outs are covered with coloured film.

3. A rotary drum arrangement according to Claim 1, or 2, wherein the cylindrical drum is formed
10 from aluminium.

4. A table lamp having mounted thereon a rotary drum assembly according to any one of Claims 1 to 3.

5. A table lamp according to Claim 4, wherein the
15 drum of the rotary drum arrangement is located to be surrounded by a fixed lampshade, which is formed from a translucent or transparent material.

6. A table lamp according to Claim 5, wherein the fixed lampshade material is corrugated or is formed
20 with facets, or cut patterns so that, in use, the fixed lampshade causes reflections to be made from light passing through the greetings, patterns, or the like of the rotating drum.

7. A rotary drum arrangement constructed,
25 arranged and adapted for use substantially as hereinbefore described with reference to, and as shown in, the accompanying drawing.

8. A table lamp incorporating a rotary drum arrangement according to Claim 9.